



999 WEST VALLEY ROAD
WAYNE, PENNSYLVANIA 19087
215-687-9510

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ORIGINAL
(Red)

PFE

June 12, 1989
R-585-3-9-8
68-01-7346

Mr. Anthony Dappolone
U.S. Environmental Protection Agency
841 Chestnut Building
Ninth and Chestnut Streets
Philadelphia, Pennsylvania 19107

Subject: Final Report
TDD No. F3-8901-03
EPA No. PA-2503
Troilo Construction Landfill
Falls Township, Bucks County, Pennsylvania

Dear Mr. Dappolone:

Submitted herewith is the final Preliminary Assessment report for the subject site. The contents of the report are based on an evaluation of information contained in the site files provided, on the results of a review of regional and local hydrogeologic literature, and on data collected during a field evaluation performed in January 1989. Based on this review, the following is offered for EPA's consideration:

- It is recommended that no further action be pursued under CERCLA. A rough Hazard



Although the site may be precluded from CERCLA action, the site's closure conditions may warrant a review under the appropriate state or federal program. If further action is deemed warranted, the following sampling plan is offered.

Proposed Sampling Plan

The proposed sampling locations include the following:

- An aqueous and sediment sample should be obtained from the Corco Chemical Corporation NPDES-permitted industrial pond.
- Up to five auger soil samples should be obtained from strategic locations at the site.
- One background surface soil sample should be obtained from an off-site location.

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The Troilo Construction Landfill is located off Cedar Road in Falls Township, Bucks County, Pennsylvania. The site is a 3.316-acre, unlined former sand and gravel quarry. D & C Land Development, the current owners, utilized the property from its purchase in February 1974 until July 1988 to dispose demolition and construction waste generated by one of the joint owners, the Troilo Construction Company. The property was mined for sand and gravel before 1974. For an unknown period of time in 1975, Bux-Mont Oil Services leased a portion of the property to set up an oil transfer station. The company was never fully established. The property is not currently being used. D & C Land Development plans to develop the site for sale as industrial property in the future.

The Troilo Construction Landfill site was brought to the attention of EPA during a separate investigation, conducted by NUS on May 28, 1987, at the Morrisville Trailer Park site. The Morrisville Trailer Park is located approximately 1/2 mile south of the Troilo Construction Landfill. The groundwater in the area, sampled at private home wells and test recovery wells, was found to be contaminated by 12 volatile organic compounds, including high levels of trichloroethylene (TCE) and tetrachloroethylene (PCE), by the Bucks County Department of Health and NUS FIT 3. The Troilo Construction Landfill was considered to be a potential source of contamination.

Waste disposal practices included alternating waste with a soil layer. The total depth and amount of waste disposed are unknown. Currently, the landfill plateau is flat and covered with sand and gravel. The majority of waste, however, is exposed.

The major environmental concern at the site is the potential contamination of groundwater. Residents within a three-mile radius of the site utilize both surface water and groundwater for potable supplies. The majority of the population within the three-mile study area is served by five public water systems. There are no surface water intakes within three downstream miles of the site. There are approximately 362 persons utilizing private wells within 1 mile of the site. The closest home well is 0.1 mile south of the site. Shallow groundwater is expected to flow southeastwardly into Van Sciver Lake. All site drainage would discharge into the Corco Chemical Corporation industrial pond, located north of and adjacent to the site. No other surface water migration pathways were observed.

The site has been inspected by the Bucks County Department of Health (BCDH), Pennsylvania Department of Environmental Resources (PA DER), and Falls Township. On June 10, 1975, BCDH inspected the Bux-Mont Oil Services establishment on the site property. PA DER issued a Notice of Violation in 1986 to D & C Land Development for operating a landfill without a permit. The owners ceased dumping in July 1988.

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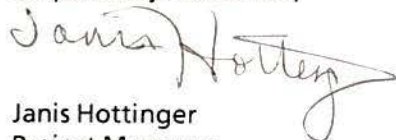
Falls Township inspected the site on several occasions. In August 1988, the township indicted Carmine Troilo for operating a landfill without a permit. The case was never taken to court, and no remediation orders were established.

Falls Township found five 55-gallon drums on the site during past inspections. Three drums were full of water, 1 drum contained 3 to 4 inches of water, and the fifth drum was 95 percent full of methanol. All five drums were removed. No other remedial actions have taken place at the site.

On January 18, 1989, NUS FIT 3 conducted a preliminary assessment of the site.

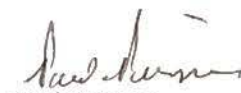
If you have any further questions, please contact me.

Respectfully submitted,

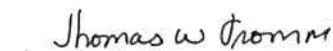


Janis Hottinger
Project Manager

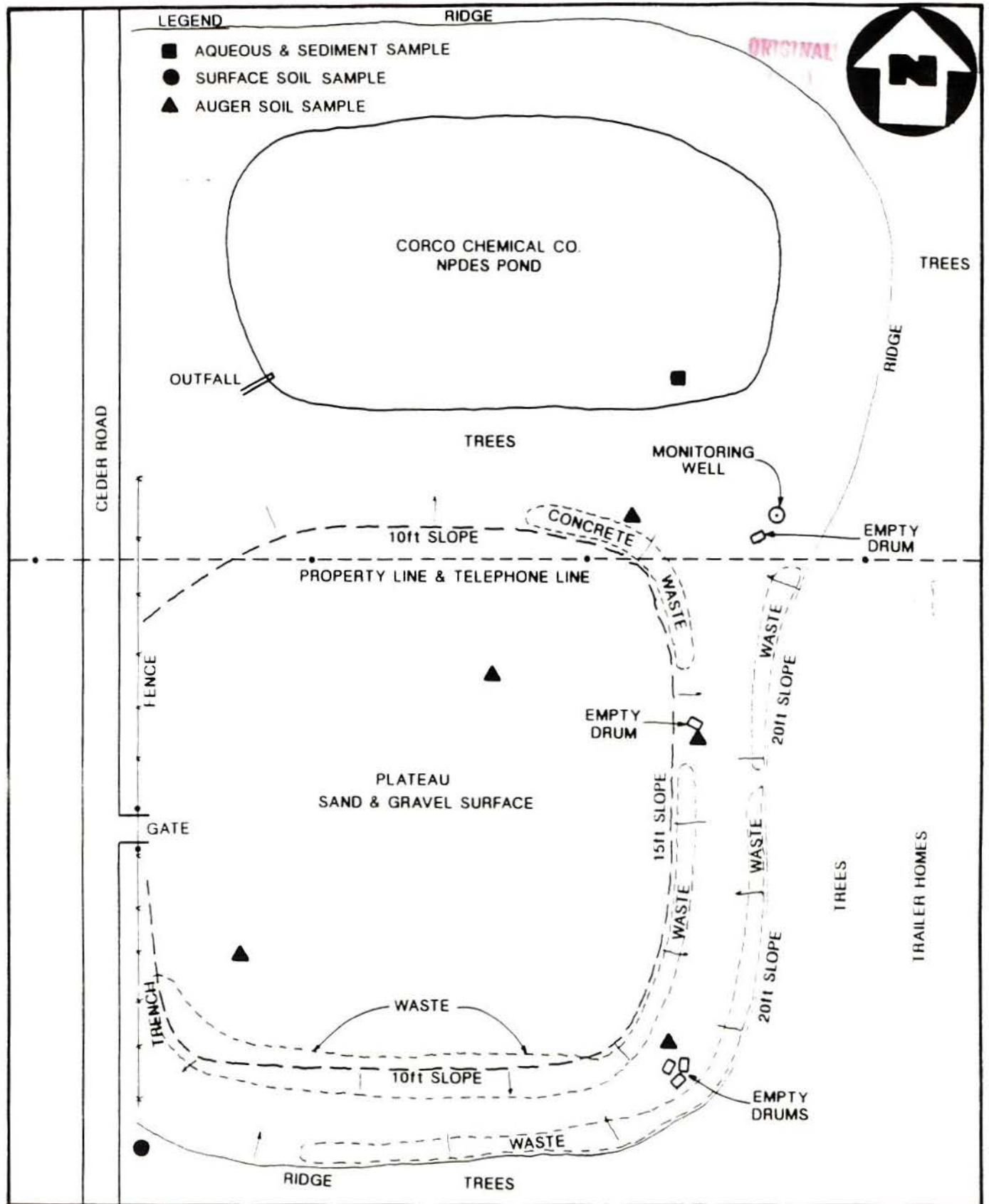
Reviewed by,


Paul Persing
Section Supervisor

Approved by,


for Garth Glenn
Regional Operations
Manager, FIT 3

JH/sw



PROPOSED SAMPLE LOCATIONS
TROILO CONSTRUCTION LANDFILL, FALLS TWP., PA
 (NO SCALE)